



Docket No.: 49657-801

PATENT

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Suler

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of :  
Tomohide TERASHIMA :  
Serial No.: 09/661,035 : Group Art Unit: 2811  
Filed: September 13, 2000 : Examiner: LOKE, Steven Ho Yin  
For: SEMICONDUCTOR DEVICE :

**AMENDMENT**

Commissioner for Patents  
Washington, DC 20231

Sir:

The Following Amendments and Remarks are submitted in response to the Office Action dated March 13, 2002.

**IN THE SPECIFICATION:**

Please delete the title and insert the following new title:

-- SEMICONDUCTOR DEVICE WITH REGION THAT CHANGES DEPTH

ACROSS THE DIRECTION OF CURRENT FLOW --.

Please replace the paragraph beginning at page 10, line 19, with the following rewritten paragraph:

*G1*  
Assuming that N<sup>-</sup>-type epitaxial layer 2 has an impurity concentration of N<sub>A</sub>, P-type diffusion region 7 has an impurity concentration of N<sub>D</sub>, neighboring P-type diffusion regions 7 are spaced by a distance of W, a required breakdown voltage is V, an amount of

TECHNOLOGY CENTER 2800

**RECEIVED**  
JUN 18 2002